



Australasian Plant Virology Workshop

Rendezvous, Scarborough, Perth WA
27 - 29 October 2026



Draft Program

Tuesday 27th October

0830 – 1715	Registration Open
0900 – 1000	Session 1 – Opening
0900 – 0915	Welcome and acknowledgement to country
0915 - 1000	KEYNOTE: Living in a Biodiversity Hotspot – Kingsley Dixon
1000 – 1030	Morning Tea
1030 - 1115	Session 2 – Diagnostics methods
1030 – 1045	Unearthing elusive viruses in Australian cereals using high-throughput sequencing - Narelle Nancarrow
1045 – 1100	Pivoting to manage a potato certification scheme – the DDLS experience - Craig Webster
1100 - 1115	Update on the transition of banana germplasm diagnostics to the Post Entry Quarantine Facility (PEQ) at Mickleham - Candace Elliott
1115 - 1230	Session 2 - Plant, virus and vector interactions
1115 - 1130	Impact of drought and barley yellow dwarf virus infection on wheat physiology and morphology - Brendan Vouadec
1130 - 1145	Dual RNAi Protection Against BYDV in Wheat and Barley - Nora Derbal
1145 - 1200	Improving narrow leafed lupin (<i>Lupinus angustifolius</i>) resistance to Cucumber mosaic virus - Elaine Gough
1200 - 1215	Virus diversity in wild Agaricus species in Australia - Madhav Jatin Chandarana
1215 - 1230	Modifying plant sterols for resistance to insect pests and insect-transmitted viruses - Ji Ling
1230- 1330	Lunch
1330 – 1500	Session 3 - New tools and technologies
1330 – 1400	Understanding plant virus vertical-transmission biology: A big, hairy, audacious goal - Robin MacDiarmid
1400 – 1415	Spray-Induced Gene Silencing as a Strategy for Virus and Vector Management in Horticultural Crops - Karl Robinson
1415 – 1430	Discovery of Novel Plant Antiviral Agents against Potato virus Y using an Integrated Screening Strategy – Mina Park
1430 – 1445	Exploring the influence of colour cues on aphid behaviour and BYDV-PAV movement in wheat - Piotr Trebicki
1445 – 1500	Improved vector and pathogen monitoring strategies for insect-borne diseases in horticultural production systems - Brendan Rodoni
1500 – 1530	Afternoon Tea

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1530 – 1700	Session 4 - Epidemiology, Ecology and Management
1530 – 1545	Investigating Novel Strategies for Grapevine Virus Management in Australia - Chongxi Yang
1545 - 1600	Turnip yellows virus resistance in Brassica napus – will it be durable? - Benjamin Congdon
1600 – 1615	Turnip mosaic virus canola resistance-breaking strain: Symptoms, seed and contact transmission, yield losses and seed germination – Roger Jones
1615 – 1630	Challenges in Virus Management for Canola and Carinata in Queensland's Subtropical Climate – Fiona Filardo
1630 – 1700	Panel discussion – topic TBA
1800 – 2000	Welcome Reception
Wednesday 28th October	
0815 – 1730	Registration Open
0830 – 1000	Session 5 - Biosecurity
0830 – 0845	Emergence of planthopper-transmitted rice viral disease complexes in the Philippines: rice yellowing syndrome and southern rice black-streaked dwarf disease - Van Schepler-Luu
0845 – 0900	Whole genome informed diagnostics distinguish mild and orange stem pitting RB2 variants of citrus tristeza virus in Australia – Mark Jackson
0900 – 0915	TAS-AP: A Portable Targeted Amplicon Sequencing Analysis pipeline for rapid plant pathogen detection – Tonny Kinene
0915 – 0920	A new recombinant begomovirus in Indonesian chillies – Kathleen Crew
0920 - 0925	Linking viruses found by environmental metagenomics with physical specimens – tobamoviruses in Queensland – John Thomas
0925 - 1000	Meeting Part 1: Outlining options for APVW-APPS alignment
1000– 1030	Morning Tea
1030 - 1115	KEYNOTE: A four-decade journey of monitoring and surveillance of viruses that cause yellowing and stunting of legume crops in the West Asia and North Africa (WANA) region - Safaa Kumari
1115 – 1230	Session 6 - Plant, virus and vector interactions 2
1115 – 1130	Turnip yellows virus infection increases cucumber mosaic virus disease sensitivity in narrow-leafed lupin - Nazanin Nazeri
1130 – 1145	Turnip yellows virus-associated RNAs in crop hosts: prevalence, transmission and development of molecular tools - Mianmian Wang
1145 – 1200	Lineage-resolved surveillance of the wheat curl mite-transmitted virus complex in New South Wales - Tobiasz Druciarek
1200 – 1230	Panel discussion – topic TBA
1230 – 1330	Lunch
1330 - 1400	Navigating Virus Challenges and Technological Opportunities at Foundation Plant Services - Maher Al Rwanih
1400 – 1500	Session 7 - Diagnostic methods 2
1400 – 1415	From Blot to Base Pairs: Sequencing Viral Genomes from Tissue Blot Immunoassay Membranes - Tahnee Saunders
1415 – 1430	Best practice sampling and virus detection in Australian grapevine propagation assets - Roshni Rohra
1430 – 1445	Incorporating High Throughput Sequencing into Everyday Plant Virology Diagnostics - Monica Kehoe
1445 – 1450	Producing synthetic monoclonal antibodies for banana bunchy top virus diagnostics – Nga Tran
1450 - 1455	Sampling Irrigation Water to Detect and Monitor Vegetable Plant Pathogens – Addam Corallo
1500 – 1530	Afternoon Tea

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1530 – 1630	Session 8 - Epidemiology, Ecology and Management 2
1530– 1545	Long-term surveillance of viruses in pulses in western Victoria - Mohammad Aftab
1545– 1600	The epidemiology of canola viruses in Victoria, Australia - Narelle Nancarrow
1600 – 1615	Replicative fitness and virulence differences among TuYV isolates in susceptible and resistant canola - Sharmin Rahman
1615-1630	Distribution and Host Range of Turnip Yellows Virus in South Australian Weeds: Novel Detections in Poaceae and Other Potential Hosts – Nicole Thompson
1800 – 2130	APVW Dinner The Sandbar Scarborough Beach
Thursday 29th October	
0800 – 1500	Registration Open
0830 – 1000	Session 9 – New tools and technologies
0830 – 0845	Pathogenic Characteristics and Molecular Mechanisms of TSWV Resistance of Capsicum annuum - Joeeun Kim
0845 – 0900	Streamlining diagnostics for horticultural seeds imported into Australia - Anjali Zaveri
0900 – 0915	What makes a great bioinformatics workflow? - Bradley Pease
0915 - 0930	MECAR: An Accessible Metagenomic Diagnostic Platform - Asad Prodhan
0930 - 0935	The C4 protein of PaLCuGdV is essential for symptom induction and RNA silencing suppression - Ju-Yeon Yoon
0935 - 0940	Evaluating coloured sticky traps for aphids vector surveillance under semi-field conditions - Piotr Trebicki
0940 - 1000	Meeting Part 2 - Discussion recap and vote on options presented previously
1000 – 1030	Morning Tea
1030 - 1115	Host aging, immunosenescence and the evolution of RNA virus' virulence - Santiago Elena
1115 – 1230	Session 10 – Diagnostic methods/Diversity and Evolution
1115 – 1130	A probe-based multiplex qRT-PCR assay for viruses infecting Australian and exotic honeybees – Sadia Iqbal
1130 – 1145	Genetic analysis of bean yellow mosaic virus from Australia: New genomic and biological insights, and evolutionary dynamics - Solomon Maina
1145 – 1200	Enhancing Diagnostic Efficiency and Scope in Virus Surveillance Using High Throughput Sequencing – Chi Cao
1200 – 1215	An assessment of diagnostic molecular assays for detection of grapevine berry inner necrosis virus (GINV) detection in Australia - Sumit Chahal
1215 – 1230	Panel discussion – topic TBA
1230 - 1330	Lunch
1330 - 1400	Landscape ecology shapes treehopper-borne disease dynamics – Marc Fuchs
1400 – 1500	Session 11 – Diagnostic methods/Diversity and Evolution
1400 – 1415	Stem-Loop Structural Dynamics Regulate Replication and Expression in Multipartite Nanoviruses - Aamir Lal
1415 - 1430	Rapid, Field-Deployable Diagnostic for Plant Viruses Using Microneedle Technology - Nawar Shamaya
1430 – 1445	Improving Plant Virus Detection from Trapped Insect Vectors - Flavia Sarti Bonora
1445 – 1500	Closing remarks
1500 - 1530	Afternoon Tea

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